

How to replace the front hub bearing on Ford Fiesta V





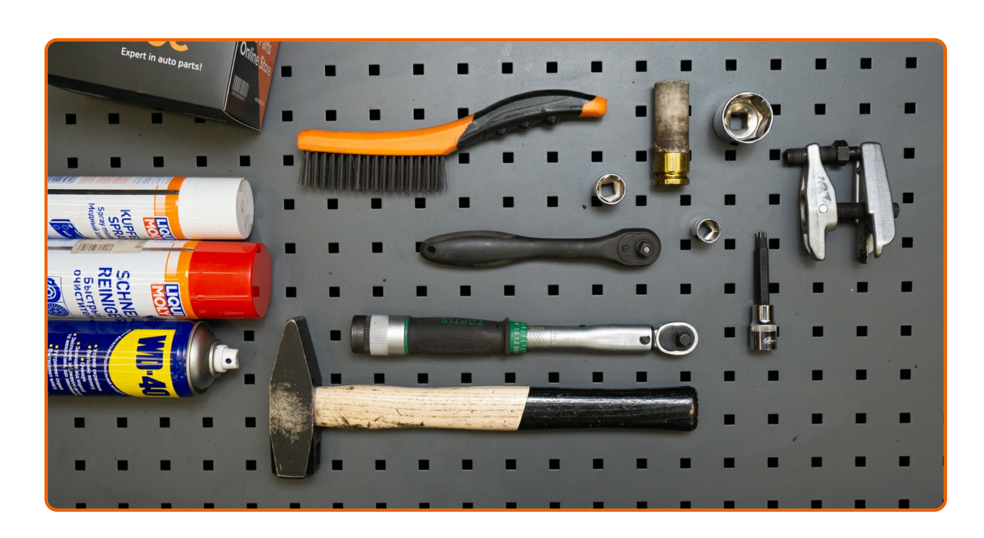

VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
FORD FIESTA V (JH_, JD_) 1.4 16V, FORD FUSION (JU_) 1.4

The steps may slightly vary depending on the car design.

REQUIRED TOOLS:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 13
- Drive socket # 17
- Drive socket # 32
- Torx bit T50
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Hammer
- Crow bar
- Bush and bearing driver set
- Ball joint puller
- Wheel chock

AUTODOC recommends:

- Do not re-use the bearing assembly of your Ford Fiesta V car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- All work should be done with the engine stopped.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1



Secure the wheels with chocks.

2



Loosen the wheel mounting bolts. Use wheel impact socket #19.

3

Raise the front of the car and secure on supports.

4



Unscrew the wheel bolts.



AUTODOC recommends:

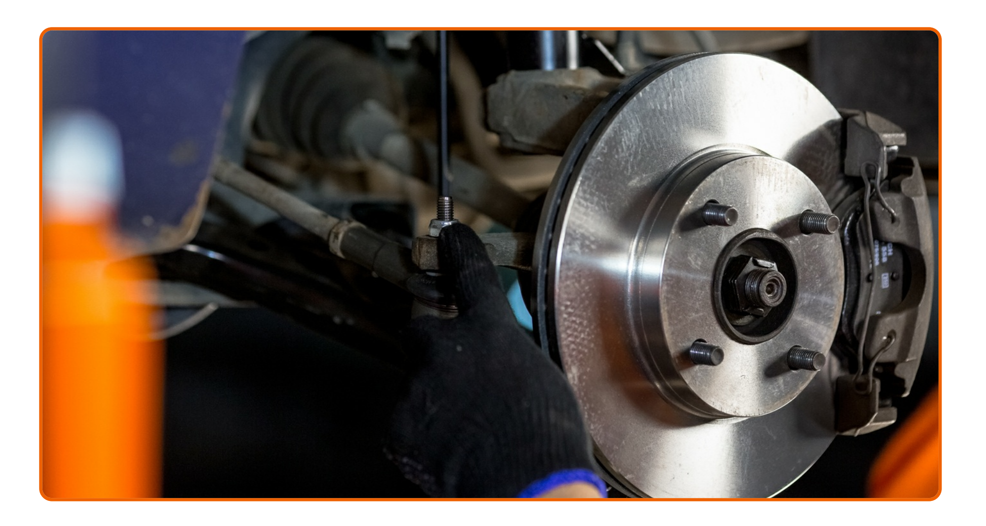
- To avoid injury, hold up the wheel when unscrewing the bolts.

5



Remove the wheel.

6



Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

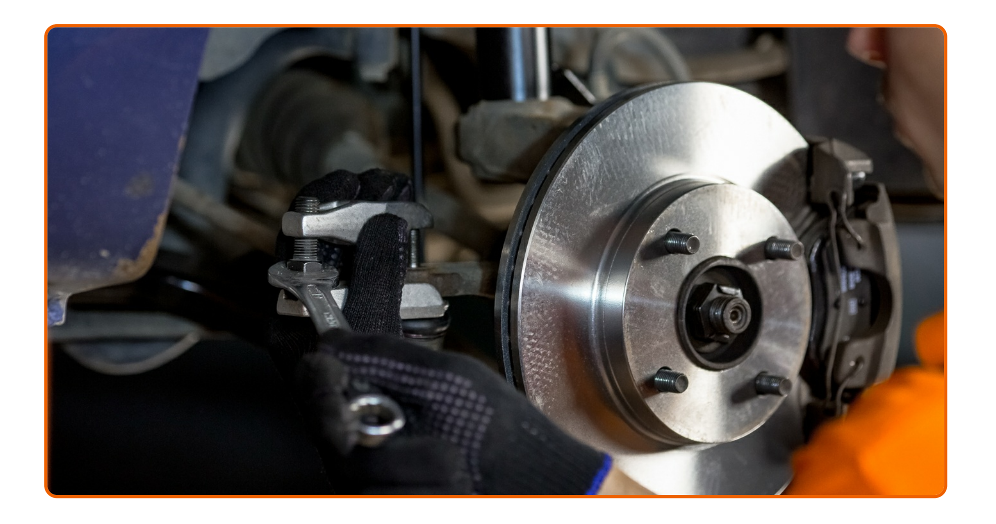


7



Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.

8



Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.

9



Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

10



Unscrew the caliper bracket fastening. Use a drive socket #13. Use a ratchet wrench.

11



Remove the brake caliper together with its bracket.

AUTODOC recommends:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

12



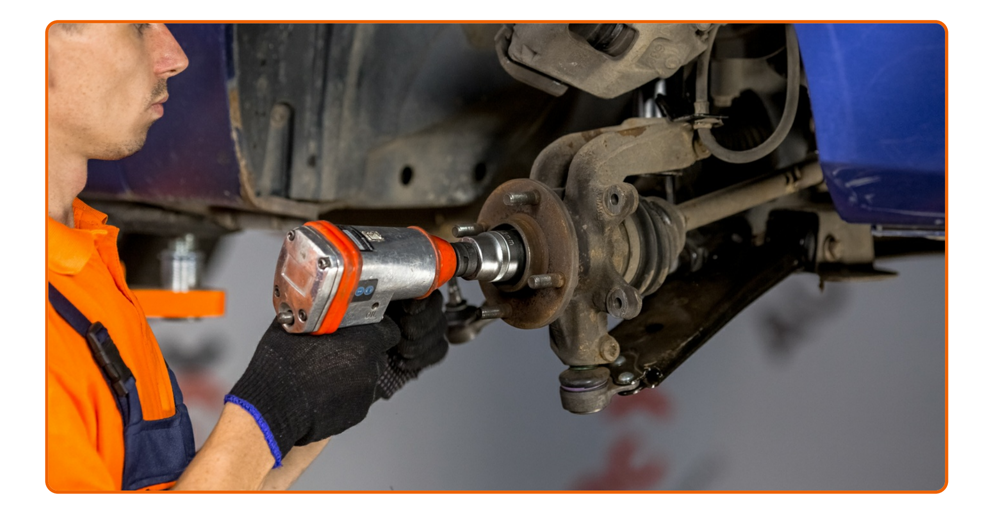
Remove the brake disc.

13



Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.

14



Unscrew the wheel hub axle nut. Use a drive socket #32.

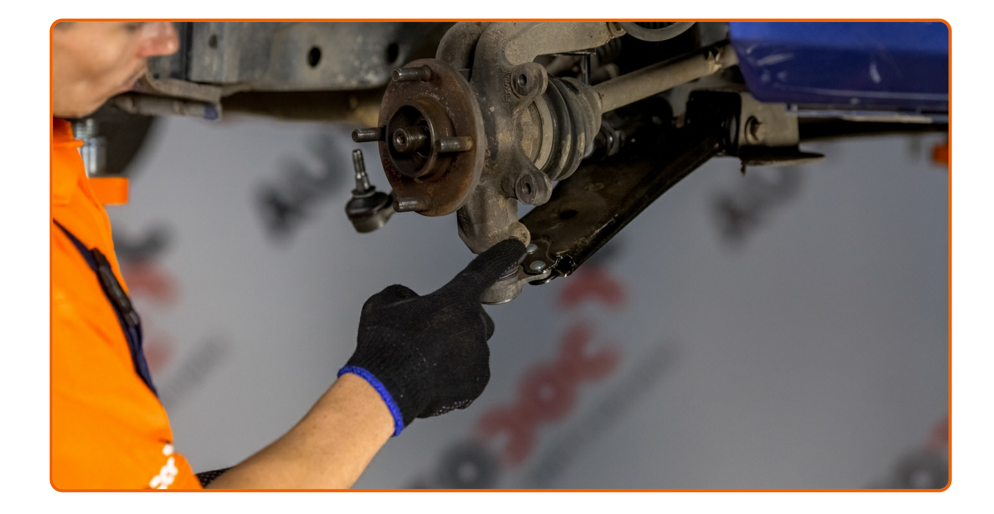
15

Remove the drive shaft. Use a hammer.

AUTODOC recommends:

- Make sure that the drive shaft is not unloaded (when the car is jacked).

16



Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

17



Unscrew the ball joint fastening to the steering knuckle. Use Torx T50. Use a drive socket #17. Use a ratchet wrench.



18



Remove the fastening bolt. Use a hammer.

19



Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.

20



Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a drive socket #15. Use a ratchet wrench.

21



Remove the fastening bolt.

22



Disconnect the lower arm from the steering knuckle. Use a crowbar.

23



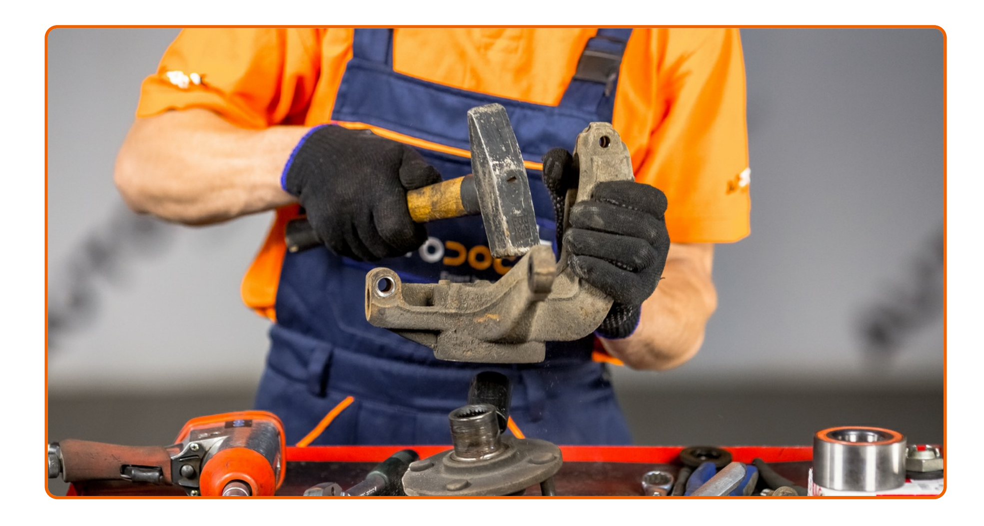
Disconnect the steering knuckle from the shock absorber strut. Use a hammer.

24



Remove the steering knuckle together with the hub.

25



Press the wheel hub out from the tapered roller bearing. Use a bush and bearing driver set. Use a hammer.

26



Press out the wheel hub bearing. Use a bush and bearing driver set.

27

Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.

28



Press the new bearing in the steering knuckle. Use a bush and bearing driver set. Use a hammer.

29



Press the wheel hub into the bearing inner race. Use a bush and bearing driver set.

30



Install the steering knuckle with a hub in assembly.

31



Mount the drive shaft into the wheel hub.

32

Fix the shock absorber strut on the steering knuckle.

33



Connect the lower arm to the steering knuckle. Use a hammer.

34

Install the fastening bolts.



35



Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a drive socket #15. Use a torque wrench. Tighten it to 75 Nm torque.

36



Tighten the hub. Use a drive socket #32. Use a torque wrench. Tighten it to 160 nm torque.

37



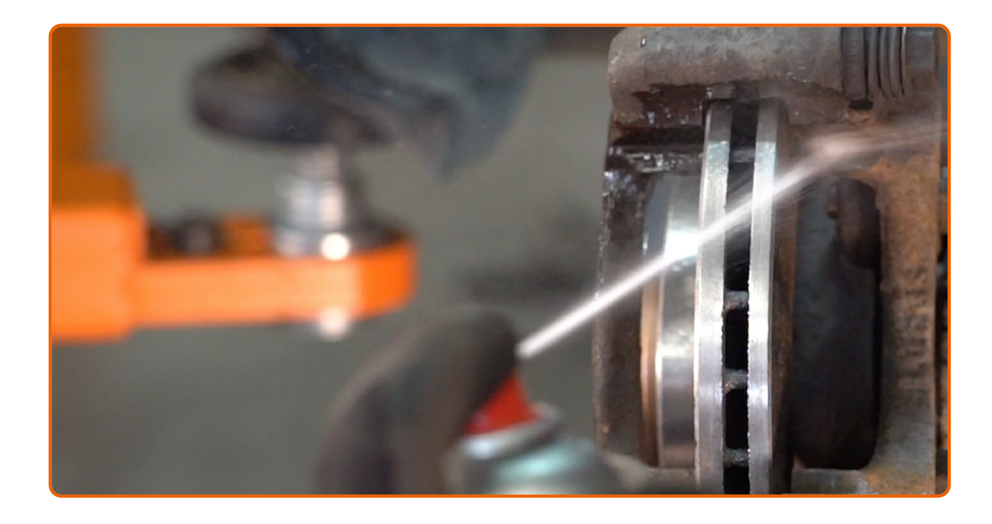
Tighten the ball joint fastener. Use Torx T50. Use a drive socket #17. Use a torque wrench. Tighten it to 55 nm torque.

38



Install the brake disc.

39



Clean the mounting seats of the caliper and its bracket. Use a wire brush. Use WD-40 spray.

40



Install the brake caliper together with its bracket.

41



Tighten the brake caliper bracket Use a drive socket #13. Use a torque wrench. Tighten it to 65 Nm torque.

42



Connect the tie rod end to the steering knuckle.

43



Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 70 nm torque.

44



Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

45



Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- After applying the spray, wait a few minutes.

46



Install the wheel.

AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

47



Screw in the wheel bolts. Use wheel impact socket #19.

48



Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 120 nm torque.

49



Remove the jacks and chocks.



DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

NO

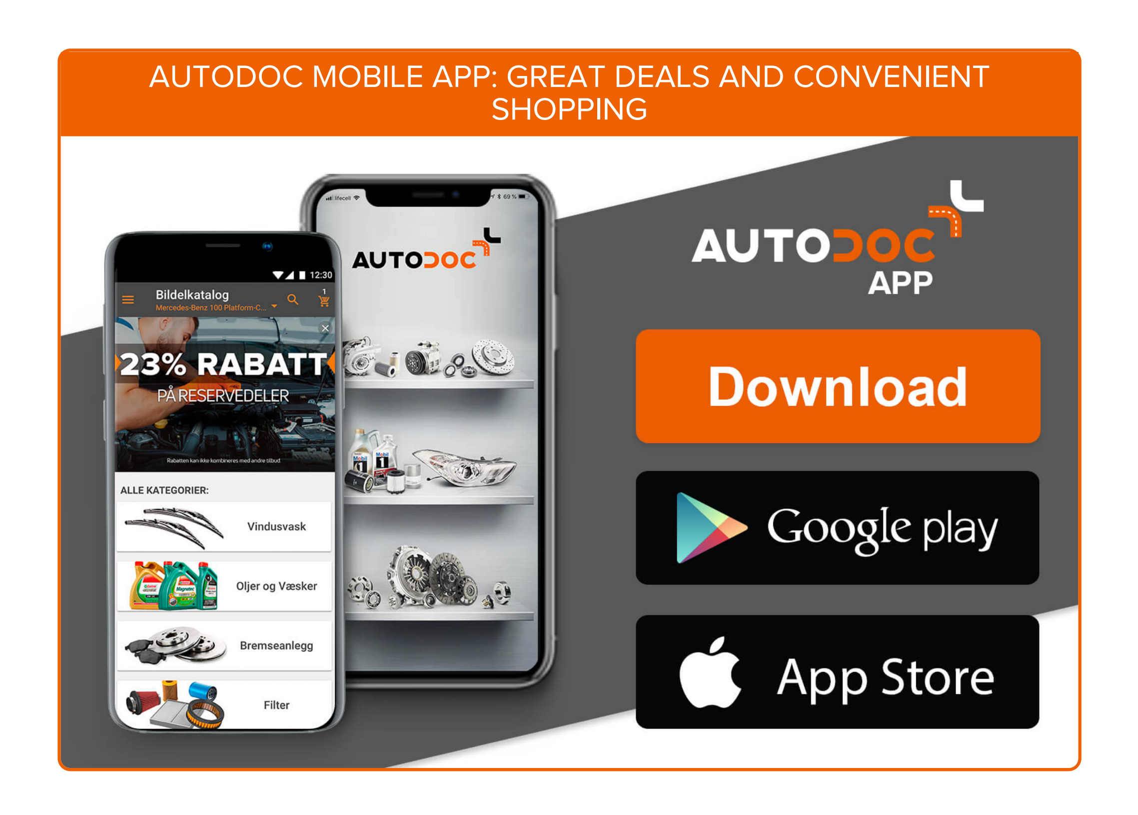


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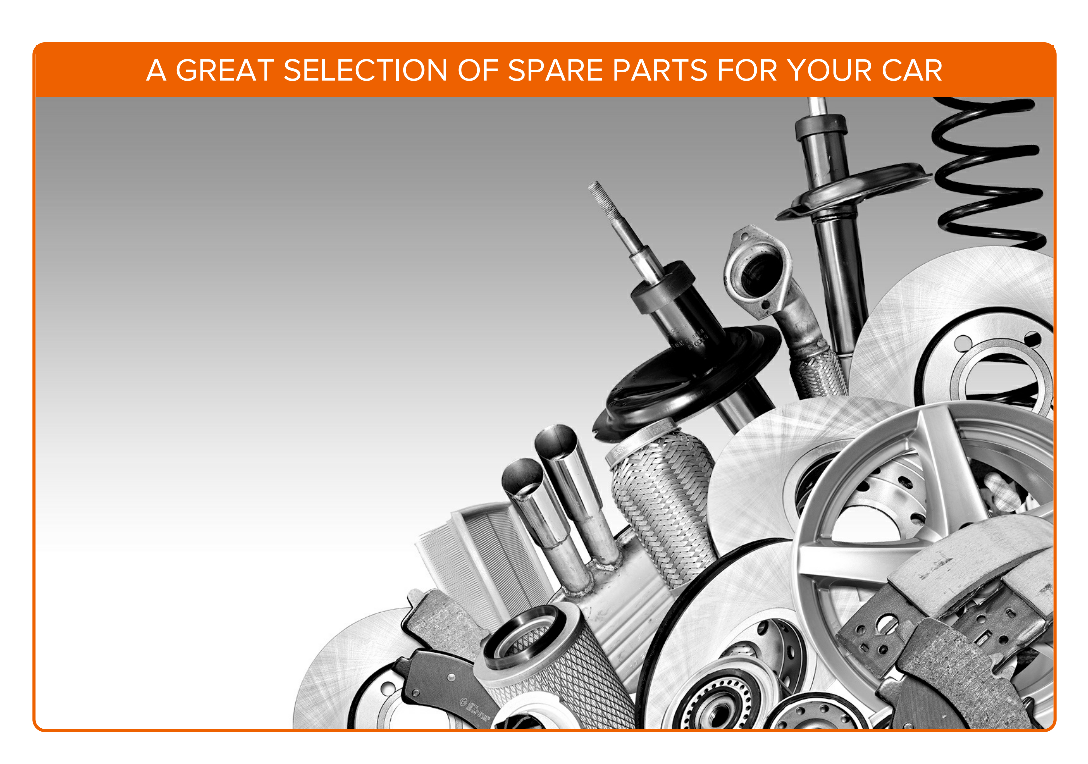


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